FORM 1449* INFORMATION DISCLOSURE STATEMENT	Docket Number: Application Number: 11669.0092US01 10/027,736.	
IN AN APPLICATION	Applicant: Presta et al.	
(Use several sheets if necessary)	Filing Date: 19 Dec. 2001 Group Art Unit: 1644	

		ι	J.S. PATENT DOCUMEN	NTS			
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING IF APPRO	DATE OPRIATE
MB	5,189,014	02/23/1993	COWAN, JR.	,			
MB	6,676,927	01/13/2004	RAVETCH				
			1.73				
		FOI	L REIGN PATENT DOCUM	MENTS	L		
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANS	LATION
						YES	NO
	×.						
					<u>.</u>		
				<u>.</u>			
	OTHE	R DOCUMENT	'S (Including Author, Title,	Date, Pertinent l	Pages, Etc.)		·····
			APPENDENT APPEND	1			
					. 18 41		

23552	
PATENT TRADEMARK OFFICE	

EXAMINER

DATE CONSIDERED

## COPY OF PAPERS ORIGINALLY FILED

Sheet I of I

FORM 14404 PEINFORMATION DISCLOSURE STATEMENT	Docket Number: 11669.92US01	Application Number: 10/027,736
IN AN APPLICATION	Applicant: PRESTA ET AL.	
JUN 1 4 2002 (Use several sheets if necessary)	Filing Date: DECEMBER 19, 2001	Group Art Unit: UNKNOWN
TRADENARY.		

		U	S. PATENT DOCUMEN	TS	·	, · · · · · · · · · · · · · · · ·		
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
		FOR	EIGN PATENT DOCUM	ENTS				
<u> </u>	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANS	LATION	
						YES	NO	
	diponential states					·		
	OTH	ED DOCUMENTS	(Including Author, Title,	Date Pertinent Pos	es Etc.)			
MB			cture and evolution of F			esentation Mo	olecules, ţ	
MB	Systemic I	Norsworthy, P. et al., "Overrepresentation of the FCγ Receptor Type IIA R131/R131 Genotype in Caucasoid Systemic Lupus Erythematosus Patients with Autoantibodies to C1q and Glomerulonephritis", Arthritis & Rheumatism, Vol. 42, No. 9, pp. 1828-1832 (Sept. 1999)						

	12		, ,	
EXAMINER		 DATE CONSIDERED	3/10/04	
		 	1 1/11/1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

	•	A	
Date Mailed:	DECEMBER_	Ц	, 2003

Sheet I of I

FORMAL DISCLOSURE STATEMENT	Docket Number: 11669.92US01	Application Number: 10/027,736		
DE 15 TO N IN AN APPLICATION	Applicant: PRESTA ET AL.			
(Use several sheets if necessary)	Filing Date: 12/19/2001	Group Art Unit: 1644		
A TRACES				

		U.	S. PATENT DOCUMEN	iTS				
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING IF APPRO	DATE OPRIATE	
		,		_				
							·	
	:					<del> </del>		
		FOR	EIGN PATENT DOCUM	IENTS				
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANS!	LATION	
						YES .	NO	
							<u> </u>	
				_				
	OWNER	DOCUMENT.	COLUMN TO A ALL TO TOTAL	Data Barriagas	Danie Stal			
	<u> </u>		(Including Author, Title, ing of Human IgG to Cynor			National Car	uter for	
MB	Biotechnole	ogy Information	ng of Human 1gG to Cynor , National Library of Med	icine, NIH, Acce	ession No. AF4858	12 (March 20	02)	
MB	NCBI database, Accession No. L03418 (Porges et al., May 8, 1993)							
	·							

23552
PATENT TRADEMARK OFFICE

EXAMINER DATE CONSIDERED 3/10/04

			_
FORM 1449* FORMATION DISCLOSURE STATEMENT	Docket Number: 11669.92US01	Application Numbq:PR 1 5 2002	
IN AN APPLICATION	Applicant: PRESTA ET AL.	TECH CENTER 1600/2	900
APR 1 2 2002 (Use several sheets if necessary)	Filing Date: 12/19/01	Group Art Unit: UNKNOWN	-

RADEM			HE DATENT DOCUMENT	re			
	1	<del></del>	U.S. PATENT DOCUMENT	13			
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING IF APPRO	DATE OPRIATE
		FO	REIGN PATENT DOCUMI	ENTS		1	
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSI	LATION
						YES	NO
	ОТН	ER DOCUMEN	TS (Including Author, Title, D	ate, Pertinent Page	es, Etc.)		
MB	Benincosa, L. et al., "Pt Cynomolgus Monkeys" (February 2000)	armacokinetics , The Journal of	and Pharmacodynamics of Pharmacology and Experi	a Humanized M imental Therape	Ionoclonal Antibo utics, Vol. 292, No	dy to Factor IX o. 2, pp. 810-8	C in 16
	Brok, H. et al., "Prophy (DACLIZUMAB) on co 141 (2001)	lactic and thera ollagen-induced	peutic effects of a humanize arthritis (CIA) in rhesus m	ed monoclonal a onkeys", Clinica	ntibody against the al and Experiment	e IL-2 receptor al Immunology	r v, 124:134-
	Clynes, R. et al., "Fc red 95, No. 2, pp. 652-656 (		ired in passive and active in (8)	mmunity to mela	noma", <i>Proc. Nat</i>	I. Acad. Sci. U	SA, Vol.
		Fishwild, D. et al., "Differential Effects of Administration of a Human Anti-CD4 Monoclonal Antibody, HM6G, in Nonhuman Primates", Clinical Immunology, Vol. 92, No. 2, pp. 138-152 (1999)					
	Ghetie, V. et al., "Multiple Roles for the Major Histocompatibility Complex Class I-Related Receptor FcRn", Annual Review of Immunology, 18:739-766 (2000)						ial Review
	Glennie, M. et al., "Clinical trials of antibody therapy", Immunology Today, Vol. 21, No. 8, pp. 403-411 (August 2000)						000)
	Gobburu, J. et al., "Pharmacokinetics/Dynamics of 5c8, a Monoclonal Antibody to CD154 (CD40 Ligand) Suppression of an Immune Response in Monkeys", <i>The Journal of Pharmacology and Experimental Therapeutics</i> , Vol. 286, No. 2, pp. 925-930 (1998)						
	Hamawy, M. et al., "Immunotoxin FN18-CRM9 Induces Stronger T Cell Signaling Than Unconjugated Monoclonal Antibody FN18", Transplantation, Vol. 72, No. 3, pp. 496-503 (August 15, 2001)						
			safety of mepolizumab (SI Allergy and Clinical Immu				
			mmalian Cells, VII. Induc USA, Vol. 60, No. 4, pp. 12			utants in Chin	ese
MB	Kim, J. ct al., "Mapping Immunology, 29:2819-2		nan IgG for binding of the I	MHC class I-rela	ated receptor, FcRi	ı", European J	lournal of

EXAMINER $3/0/0$ DATE CONSIDERED $3/0/0$	 1 /		<i>'</i>			1	/
	10/	07 /		DATE CONSIDERED	3/	/0/	04

(Use several sheets if necessary)

Sheet 2 of 3

RECEIVE

FORM 1449* OF PENFORMATION DISCLOSURE STATEMENT	Docket Number: 11669.92US01	Application NumArP R 1 5 2002	
in an application	Applicant: PRESTA ET AL.	TECH CENTER 1600/290	)(
APR 1 2 2002 (Use several sheets if necessary)	Filing Date: 12/19/01	Group Art Unit: UNKNOWN	

Küester, H. et al., "Characterization and Expression of the Gene for the Human Fc Receptor y Subunit", The Journal of MB Biological Chemistry, Vol. 265, No. 11, pp. 6448-6452 (April 15, 1990) Kurucz, I. et al., "Bacterially expressed human FcyRllb is soluble and functionally active after in vitro refolding", Immunology Letters, 75:33-40 (2000) Lehrnbecher, T. et al., "Variant Genotypes of the Low-Affinity Fcy Receptors in Two Control Populations and a Review of Low-Affinity Fcy Receptor Polymorphisms in Control and Disease Populations", Blood, Vol. 94, No. 12, pp. 4220-4232 (December 15, 1999) Lin, Y. et al., "Preclinical Pharmacokinetics, Interspecies Scaling, and Tissue Distribution of a Humanized Monoclonal Antibody against Vascular Endothelial Growth Factors", The Journal of Pharmacology and Experimental Therapeutics. Vol. 288, No. 1, pp. 371-378 (1999) Maxwell, K. et al., "Crystal structure of the human leukocyte Fc receptor, FcyRIIa", Nature Structural Biology, Vol. 6, No. 5, pp. 437-442 (May 1999) Mihara, M. et al., "Humanized Antibody to Human Interleukin-6 Receptor Inhibits the Development of Collagen Arthritis in Cynomolgus Monkeys", Clinical Immunology, Vol. 98, No. 3, pp. 319-326 (March 2001) Mordenti, J. et al., "Comparisons of the Intraocular Tissue Distribution, Pharmacokinetics, and Safety of 125 I-Labeled Full-Length and Fab Antibodies in Rhesus Monkeys Following Intravitreal Administration", Toxicologic Pathology, Vol. 27, No. 5, pp. 536-544 (September-October 1999) Mourad, G. et al., "Humanized IgG1 and IgG4 Anti-CD4 Monoclonal Antibodies", Transplantation, Vol. 65, No. 5, pp. 632-641 (March 15, 1998) Ory, P. et al., "Characterization of Polymorphic Forms of Fc Receptor III on Human Neutrophils", The Journal of Clinical Investigation, Vol. 83, No. 5, pp. 1676-1681 (May 1989) Ory, P. et al., "Sequences of Complementary DNAs that Encode the NA1 and NA2 Forms of Fc Receptor III on Human Neutrophils", The Journal of Clinical Investigation, Vol. 84, No. 5, pp. 1688-1691 (November 1989) Poston, R. et al., "Effects of Humanized Monoclonal Antibody to Rhesus CD11a in Rhesus Monkey Cardiac Allograft Recipients", Transplantation, Vol. 69, No. 10, pp. 2005-2013 (May 27, 2000) Radaev, S. et al., "The Structure of a Human Type III Fcy Receptor in Complex with Fc", The Journal of Biological Chemistry, Vol. 276, No. 19, pp. 16469-16477 (May 11, 2001) Ravetch, J. et al., "IgG Fc Receptors", Annual Review of Immunology, Vol. 19:275-290 (2001) Reichert, J., "Monoclonal antibodies in the clinic", Nature Biotechnology, Vol. 19, No. 9, pp. 819-822 (September 2001) Richter, W. et al., "Animal Pharmacokinetics of the Tumor Necrosis Factor Receptor-Immunoglobulin Fusion Protein Lenercept and Their Extrapolation to Humans", Drug Metabolism and Disposition. Vol. 27, No. 1, pp. 21-25 (January 1999) Sampson, J. et al., "Unarmed, tumor-specific monoclonal antibody effectively treats brain tumors", PNAS, Vol. 97, No. 13, pp. 7503-7508 (June 20, 2000) Sautès, C., "Structure and Expression of Fc Receptors (FcR)", Cell-Mediated Effects of Immunoglobulins, Chap. 2, pp. 29-66 Schuurman, J. et al., "The inter-heavy chain disulfide bonds of IgG4 are in equilibrium with intra-chain disulfide bonds", MB Molecular Immunology, Vol. 38, No. 1, pp. 1-8 (January 2001)

EXAMINER	110	DATE CONSIDERED	MB

RECEIVED

FORM 1449* INFORMATION DISCLOSURE STATEMENT	Docket Number: 11669.92US01	Application Number: 10/027,736 APR 1 5 2002
IN AN APPLICATION	Applicant: PRESTA ET AL.	TECH CENTER 1600/2900

APR 1 2 2002 3

(Use several sheets if necessary)

Filing Date: 12/19/01 Group Art Unit: UNKNOWN

MADEMAN HIB	Shinkura, H. et al., "Safety and kinetic properties of a humanized antibody to human interleukin-6 receptor in healthy non-human primates", <i>Toxicology</i> , 122:163-170 (October 19, 1997)
	Sondermann, P. et al., "Crystal structure of the soluble form of the human Fcy-receptor IIb: a new member of the immunoglobulin superfamily at 1.7 Å resolution", <i>The EMBO Journal</i> , Vol. 18, No. 5, pp. 1095-1103 (March 1, 1999)
	Sondermann, P. et al., "The 3.2-Å crystal structure of the human IgG1 Fc fragment-FcyRIII complex", Nature, 406:267-273 (July 20, 2000)
	Spiegelberg, H., "Biological Activities of Immunoglobulins of Different Classes and Subclasses", Advances in Immunology, 19:259-294 (1974)
	van der Pol, W. et al., "IgG receptor Ila alleles determine susceptibility and severity of Guillain-Barré syndrome", Neurology Vol. 54, No. 8, pp. 1661-1665 (April 25, 2000)
	van Dijk, M. et al., "Human antibodies as next generation therapeutics", Current Opinion in Chemical Biology, 5:368-374 (2001)
MB	Waurzyniak, B. et al., "In Vivo Toxicity, Pharmacokinestics, and Antileukemic Activity of TXU (Anti-CD7)-Pokeweed Antiviral Protein Immunotoxin", Clinical Cancer Research, Vol. 3, No. 6, pp. 881-890 (June 1997)



EXAMINER

.

DATE CONSIDERED

3/10/04

EO	DM	114	140

## INFORMATION DISCLOSURE STATEMENT

Docket Number: 11669.92USU1

Application Number:

10/027,736

IN AN APPLICATION

(Use several sheets if necessary)

Applicant: PRESTA ET AL.

Filing Date: 12/19/2001

Group Art Unit: UNKNOWN

			U.S. PATENT DOCUMENT	S			
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING IF APPRO	DATE OPRIATE
MB	4,518,584	05/21/1985	Mark et al.				
]	4,737,462	04/12/1988	Mark et al.				
	5,824,487	10/20/1998	Ravetch et al.				
	5,877,396	03/02/1999	Ravetch et al.				·
nB	6,194,551 B1	02/27/2001	Idusogie et al.				
		FC	DREIGN PATENT DOCUMI	ENTS			
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANS	LATION
						YES	NO
	OTI	IER DOCUMEN	TTS (Including Author, Title, D	ate, Pertinent Pag	es, Etc.)		
MB	numbers of macrophag 81:3506-3510 (June 19	ges activated for 984)	rejection induced by mono a distinctive form of antibo	dy-dependent cy	tolysis", Proc. Nat	tl. Acad. Sci.	USA, 
MB	numbers of macrophag 81:3506-3510 (June 19	ges activated for 984) otide sequence of	rejection induced by mono a distinctive form of antibo of three cDNAs for the hum	dy-dependent cy	tolysis", Proc. Nat	tl. Acad. Sci.	USA, 
MB	numbers of macrophag 81:3506-3510 (June 19 Allen, J. et al., "Nucle Vol. 16, No. 24, pp. 1	ges activated for 984) otide sequence 1824 (1988) ion and Expressi	a distinctive form of antibo	dy-dependent cy an high affinity	rtolysis", <i>Proc. Nat</i> Fc receptor (FcRI)"	tl. Acad. Sci.	USA, ds Resear
MB	numbers of macrophag 81:3506-3510 (June 19 Allen, J. et al., "Nucle Vol. 16, No. 24, pp. 19 Allen, J. et al., "Isolati pp. 378-381 (January)	ges activated for 984) otide sequence (1824 (1988) ion and Expressi 20, 1989)	of three cDNAs for the hum ion of Functional High-Affin	dy-dependent cy an high affinity nity Fc Receptor	rtolysis", <i>Proc. Nat</i> Fc receptor (FcRI)"  Complementary D	il. Acad. Sci.	USA, ds Resear ce, Vol. 24
MB	numbers of macrophag 81:3506-3510 (June 19 Allen, J. et al., "Nucle Vol. 16, No. 24, pp. 1 Allen, J. et al., "Isolati pp. 378-381 (January 19 Amigorena, S. et al., " Vol. 256, pp. 1808-18	ges activated for 984) otide sequence (1824 (1988) ion and Expressi 20, 1989) Cytoplasmic Do 12 (June 26, 1989)	of three cDNAs for the hum ion of Functional High-Affin	an high affinity nity Fc Receptor	rtolysis", Proc. Nat Fc receptor (FcRI)  Complementary D  Fc Receptors in B L	', Nucleic Aci  ', Nucleic Aci  DNAs", Science	ds Resear ce, Vol. 24
MB	numbers of macrophag 81:3506-3510 (June 19 Allen, J. et al., "Nucle Vol. 16, No. 24, pp. 1 Allen, J. et al., "Isolati pp. 378-381 (January 19 Amigorena, S. et al., " Vol. 256, pp. 1808-18 Anderson, D. et al., "I (May 1997)	ges activated for 984) otide sequence of 1824 (1988) ion and Expressi 20, 1989) Cytoplasmic Do 12 (June 26, 1987) Targeting Cytoto	a distinctive form of antibo of three cDNAs for the hum ion of Functional High-Affin omain Heterogeneity and Fu	an high affinity and high affinity in the Receptor Inctions of IgG Internical Society and Heterogeneity	rtolysis", Proc. Nat Fc receptor (FcRI)" Complementary D Fc Receptors in B L Transactions, Vol.	', Nucleic Aci ', Nucleic Aci ', Science  Lymphocytes'  25, No. 2, pp	ds Resear ce, Vol. 24 , Science,
MB	numbers of macrophag 81:3506-3510 (June 19 Allen, J. et al., "Nucle Vol. 16, No. 24, pp. 1 Allen, J. et al., "Isolati pp. 378-381 (January 19 Amigorena, S. et al., "Vol. 256, pp. 1808-18 Anderson, D. et al., "I (May 1997) Angal, S. et al., "A Sin Antibody", Molecular	ges activated for 984) otide sequence of 1824 (1988) ion and Expressi 20, 1989) Cytoplasmic Do 12 (June 26, 1997) Targeting Cytoto ingle Amino Aci- Immunology, V	a distinctive form of antibor of three cDNAs for the hum ion of Functional High-Affin omain Heterogeneity and Functional High-Affin oxic Immunotherapy", Bioch d Substitution Abolishes the	an high affinity and high affinity for Receptor anctions of IgG International Society and Heterogeneity (1993)	rtolysis", Proc. Nat Fc receptor (FcRI)" Complementary D Fc Receptors in B L Transactions, Vol.	", Nucleic Aci ", Nucleic Aci ")NAs", Science ",ymphocytes" 25, No. 2, pp	ds Resear ce, Vol. 24 c, Science, 705-708

EXAMINER

DATE CONSIDERED

\_\_\_\_\_

EOD		4 4 4 6 4
ruk	M	1449*

## INFORMATION DISCLOSURE STATEMENT

Docket Number: 11669.92USU1 Application Number:

10/027,736

IN AN APPLICATION
(Use several sheets if necessary)

Filing Date: 12/19/2001

Applicant: PRESTA ET AL.

Group Art Unit: UNKNOWN

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
MUS	Bowie, J. et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions", Science, 247:1306 1310 (March 16, 1990)
	Brooks, D. et al., "Structure and Expression of Human IgG FcRII(CD32): Functional Heterogeneity is Encoded by the Alternatively Spliced Products of Multiple Genes", <i>The Journal of Experimental Medicine</i> , Vol. 170, No. 4, 1369-1385 (October 1989)
	Burton, D., "Immunoglobulin G: Functional Sites", Molecular Immunology, Vol. 22, No. 3, pp. 161-206 (1985)
	Capel, P., et al., "Heterogeneity of Human IgG Fc Receptors", Immunomethods, 4:25-34 (1994)
	Clark, M. et al., "A single amino acid distinguishes the high-responder from the low-responder form of Fc receptor II on human monocytes", Eur. J. Immunol., 21:1911-1916 (1991)
	Clynes, R. et al., "Inhibitory Fc receptors modulate in vivo cytoxicity against tumor targets", Nature Medicine, Vol. 6, No. 4, pp. 443-446 (April 2000)
	Collins, E. et al., "The three-dimensional structure of a class I major histocompatibility complex molecule missing the α3 domain of the heavy chain", <i>Proc. Natl. Acad. Sci. USA</i> , 92:1218-1221 (February 1995)
	Cosman, D. et al., "Cloning, sequence and expression of human interleukin-2 receptor", Nature, 312:768-771, (December 1984)
	Cosman, D. et al., "High Level Stable Expression of Human Interleukin-2 Receptors in Mouse Cells Generates Only Low Affinity Interleukin-2 Binding Sites", <i>Molecular Immunology</i> , Vol. 23, No. 9, pp. 935-941 (1986)
	Coussens, L. et al., "Tyrosine Kinase Receptor with Extensive Homology to EGF Receptor Shares Chromosomal Location with neu Oncogene", Science, 230:1132-1139 (December 6, 1985)
	Craik, C., "Use of Olignucleotides for Site-Specific Mutagenesis", BioTechniques, Vol. 3, No. 1, pp. 12-19 (January/February 1985)
	Cunningham, B. et al., "The Complete Amino Acid Sequence of β2-Microglobulin", <i>Biochemistry</i> , Vol. 12, No. 24, pp. 4811-4822 (November 20, 1973)
	de Haas, M. et al., "Fcy receptors of phagocytes", The Journal of Laboratory and Clinical Medicine, Vol. 126, No. 4, pp. 330 341 (October 1995)
	de Haas, M. et al., "A Triallelic Fcy Receptor Type IIIA Polymorphism Influences the Binding of Human IgG by NK Cell FcyRIIIa", The Journal of Immunology, Vol. 156, No. 8, pp. 2948-2955 (April 15, 1996)
MB	Debré, M. et al., "Infusion of Fcγ fragments for treatment of children with acute immune thrombocytopenic purpura", Lancet Vol. 342, No. 8877, pp. 945-949 (October 16, 1993)

23552
PATENT TRADEMARK OFFICE

EXAMINER /

**DATE CONSIDERED** 

3/10/04

Group Art Unit: UNKNOWN

FORM 1449* INFORMATION DISCLOSURE STATEMENT	Docket Number:   Application Number:   11669.92USU1   10/027,736	
IN AN APPLICATION	Applicant: PRESTA ET AL.	
(Use several sheets if necessary)	Filing Date: 12/19/2001 Group Art Unit: UNKNOWN	

Filing Date: 12/19/2001

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
MB	Deo, Y. et al., "Clinical significance of IgG Fc receptors and FcγR-directed immunotherapies", <i>Immunology Today</i> , Vol. 18, No. 3, pp. 127-135 (March 1997)
	Eaton, D. et al., "Construction and Characterization of an Active Factor VIII Variant Lacking the Central One-Third of the Molecule", <i>Biochemistry</i> , Vol. 25, No. 26, pp. 8343-8347 (December 30, 1986)
	Engelhardt, W. et al., "Distribution, inducibility and biological function of the cloned and expressed human BFc receptor II", Eur. J. Immunol., 20:1367-1377 (1990)
	EU Index in Kabat et al., "Sequences of Proteins of Immunological Interest", Vol. III, 5th Ed., Public Health Service, Nationa Institutes of Health, Bethesa, MD, pp. 2246 (1991)
	Gavin, A. et al., "Molecular basis for the interaction of Fc receptors with immunoglobulins", The Immunoglobulin Receptors and their Physiological and Pathological Roles in Immunity, pp. 11-35 (1998)
	Gessner, J. et al., "The lgG Fc receptor family", Annals of Hermatology, Vol. 76, No. 5, pp. 231-248 (May 1998)
	Gessner, J. et al., "The Human Low Affinity Immunoglobulin G Fc Receptor III-A and III-B Genes", <i>The Journal of Biological Chemistry</i> , Vol. 270, No. 3, pp. 1350-1361 (January 20, 1995)
	Ghetie, V. et al., "FcRn: the MHC class I-related receptor that is more than an IgG transporter", <i>Immunology Today</i> , 18:592-598 (December 1997)
	Gluzman, Y., "SV40-Transformed Simian Cells Support the Replication of Early SV40 Mutants", Cell, Vol. 23, No. 1, pp. 175-182 (January 1981)
	Gorman, C. et al., "Transient Production of Proteins Using an Adenovirus Transformed Cell Line", DNA and Protein Engineering Techniques, Vol. 2, No. 1, pp. 3-10 (1990)
	Güssow, D. et al., "The Human β <sub>2</sub> -Microglobulin Gene: Primary Structure and Definition of the Transcriptional Unit", <i>The Journal of Immunology</i> , Vol. 139, No. 9, pp. 3132-3138 (November 1, 1987)
	Hibbs, M. et al., "Molecular cloning of a human immunoglobulin G Fc receptor", Proc. Natl. Acad. Sci. USA, 85:2240-2244 (April 1988)
	Ierino, F. et al., "Recombinant Soluble Human FcyRII: Production, Characterization, and Inhibition of the Arthus Reaction", The Journal of Experimental Medicine, Vol. 178, No. 5, pp. 1617-1628 (November 1, 1993)
	Kao, F. et al., "Genetics of Somatic Mammalian Cells, VII. Induction and Isolation of Nutritional Mutants in Chinese Hamster Cells", Proc. Natl. Acad. Sci. USA, Vol. 60, No. 4, pp. 1275-1281 (August 1968)
MB	Koene, H. et al., "FcγRIIIa-158V/F Polymorphism Influences the Binding of IgG by Natural Killer Cell FcγRIIIa, Independently of the FcγRIIIa-48L/R/H Phenotype", Blood, Vol. 90, No. 3, pp. 1109-1114 (August 1, 1997)



EXAMINER DATE CONSIDERED 3/0/04		/8			•
	EXAMINER		DATE CONSIDERED	3/10/04	

(Use several sheets if necessary)

Group Art Unit: UNKNOWN

FORM 1449*	INFORMATION DISCLOSURE STATEMENT	Docket Number: 11669.92USU1	Application Number: 10/027,736
	IN AN APPLICATION	Applicant: PRESTA ET AL.	

Filing Date: 12/19/2001

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
MB	Küster, H., et al., "Characterization and Expression of the Gene for the Human Fc Receptor γ Subunit", <i>The Journal of Biological Chemistry</i> , Vol. 265, No. 11, pp. 6448-6452 (April 15, 1990)
	Lawlor, D. et al., "Comparison of Class I MHC Alleles in Humans and Apes", <i>Immunological Reviews</i> , No. 113, pp. 147-185 (1990)
	Lehrnbecher, T. et al., "Variant genotypes of FcγRIIIA influence the development of Kaposi's sarcoma in HIV-infected men". Blood, Vol. 95, No. 7, pp. 2386-2390 (April 1, 2000)
	Liu, J. et al., "Characterization of Complex Formation by Humanized Anti-IgE Monoclonal Antibody and Monoclonal Human IgE", Biochemistry, Vol. 34, No. 33, pp. 10474-10482 (August 22, 1995)
	Luckow, V. et al., "Trends in the Development of Baculovirus Expression Vectors", Bio/Technology, 6:47-55 (January 1988)
	Nieto, A. et al., "Involvement of Fcy Receptor IIIA Genotypes in Susceptibility to Rheumatoid Arthritis", Arthritis & Rheumatism, Vol. 43, No. 4, pp. 735-739 (April 2000)
	Okayama, H. et al., "A cDNA Cloning Vector that Permits Expression of cDNA Inserts in Mammalian Cells", <i>Molecular and Cellular Biology</i> , Vol. 3, No. 2, pp. 280-289 (February 1983)
	Porges, A. et al., "Novel Fcy Receptor I Family Gene Products in Human Mononuclear Cells", <i>The Journal of Clinical Investigation</i> , Vol. 90, No. 5, pp. 2102-2109 (November 1992)
	Ravetch, J. et al., "Fc Receptors", Annu. Rev. Immunol., 9:457-492 (1991)
	Ravetch, J., "Atopy and Fc receptors: mutation is the message?", Nature Genetics, Vol. 7, No. 2, pp. 117-118 (June 1994)
	Ravetch, J. et al., "Alternative Membrane Forms of FcyRIII(CD16) on Human Natural Killer Cells and Neutrophils", The Journal of Experimental Medicine, Vol. 170, No. 2, pp. 481-497 (August 1, 1989)
-	Reff, M. et al., "Depletion of B Cells in Vivo by a Chimeric Mounse Human Monoclonal Antibody to CD20", <i>Blood</i> , Vol 83, No. 2 pp. 435-445 (January 15, 1994)
	Repp, R. et al., "G-CSF-Stimulated PMN in Immunotherapy of Breast Cancer with a Bispecific Antibody to FcyRI and to HER-2/neu (MDX-210)", Journal of Hematotherapy, Vol. 4, No. 5, pp. 415-421 (October 1995)
	Riethmüller, G. et al., "Randomised trial of monoclonal antibody for adjuvant therapy of resected Dukes' C colorectal carcinoma", Vol. 343, No. 8907, pp. 1177-1183 (May 14, 1994)
	Rosa, F. et al., "The β <sub>2</sub> -microglobulin mRNA in human Daudi cells has a mutated initiation codon but is still inducible by interferon", <i>The EMBO Journal</i> , Vol. 2, No. 2, pp. 239-243 (1983)
MB	Salmon, J. et al., "FcyRIIA Alleles are Heritable Risk Factors for Lupus Nephritis in African Americans", <i>The Journal of Clinic Investigation</i> , Vol. 97, No. 5, pp. 1348-1354 (March 1996)



EXAMINER //

DATE CONSIDERED

3/10/04

Date	Mailed:	March	10	2002
Date	Manco:	March	17.	ZUUZ

Sheet 5 of 5

FO	RM	144	9*

## INFORMATION DISCLOSURE STATEMENT

Docket Number: 11669.92USU1 Application Number:

10/027,736

IN AN APPLICATION

(Use several sheets if necessary)

Applicant: PRESTA ET AL.
Filing Date: 12/19/2001

Group Art Unit: UNKNOWN

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
MB	Sambrook et al., "Detection and Analysis of Proteins Expressed from Cloned Genes", Molecular Cloning: A Laboratory Manual, Chapter 18, pp. 18.2-18.88 (1989)
	Saper, M. et al., "Redefined Structure of the Human Histocompatibility Antigen HLA-A2 at 2.6 Å Resolution", Journal of Molecular Biology, Vol. 219, No. 2, pp. 277-319 (May 20, 1991)
	Seki, T., "Identification of multiple isoforms of the low-affinity human IgG Fc receptor", Immunogenetics, 30:5-12 (1989)
	Shields, R. et al., "High Resolution Mapping of the Binding Site on Human IgG1 for FcyRI, FcyRII, FcyRIII, and FcRn and Design of IgG1 Variants with Improved Binding to the FcyR", <i>The Journal of Biological Chemistry</i> , Vol 276, No. 9, pp. 659 6604 (March 2, 2001)
	Smith, T. et al., "Comparison of Biosequences", Advances in Applied Mathermatics, Vol. 2, No. 4, pp. 482-489 (December 1981)
	Stengelin, S. et al., "Isolation of cDNAs for two distinct human Fc receptors by ligand affinity cloning", <i>The EMBO Journal</i> , Vol. 7, No. 4, pp. 1053-1059 (April 1988)
	Story, C. et al., "A Major Histocompatibility Complex Class I-like Fc Receptor Cloned from Human Placenta: Possible Role in Transfer of Immunoglobulin G from Mother to Fetus", <i>The Journal of Experimental Medicine</i> , Vol 180, No. 6, pp. 2377-2381 (December 1, 1994)
	Stuart, S. et al., "Isolation and Expression of cDNA Clones Encoding a Human Receptor for IgG (FcyRII)", The Journal of Experimental Medicine, Vol. 166, No. 6, pp. 1668-1684 (December 1, 1987)
	Suggs, S. et al., "Use of Synthetic oligonucleotides as hybridization probes: Isolation of cloned cDNA sequences for human β <sub>2</sub> -microglobulin", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 78, No. 11, pp. 6613-6617 (November 1981)
	Takahashi, H. et al., "Inhibition of Hepatic Metastases of Human Colon Cancer in Nude Mice by a Chimeric SF-25 Monoclonal Antibody", Gastroenterology, Vol. 108, No. 1, pp. 172-182 (January 1995)
	Valone, F. et al., "Phase Ia/Ib Trial of Bispecific Antibody MDX-210 in Patients with Advanced Breast or Ovarian Cancer the Overexpresses the Proto-Oncogene HER-2/neu", Journal of Clinical Oncology, Vol. 13, No. 9, pp. 2281-2292 (September 1995)
	van de Winkel, J. et al., "Human IgG Fc receptor heterogeneity: molecular aspects and clinical implications", <i>Immunology Today</i> , Vol. 14, No. 5, pp. 215-221 (1993)
	Walder, R. et al., "Oligodeoxynucleotide-directed mutagenesis using the yeast transformation system", Gene, 42:133-139 (1986)
	Warmerdam, P. et al., "A Single Amino Acid in the Second Ig-Like Domain of the Human Fcy Receptor II is Critical for Human IgG2 Binding", <i>The Journal of Immunology</i> , Vol. 147, No. 4, pp. 1338-1343 (August 15, 1991)
	West, Jr., A. et al., "Crystal Structure and Immunoglobulin G Binding Properties of the Human Major Histocompatibility Complex-Related Fc Receptor", Biochemistry, 39:9698-9708 (2000)
MB	Wu, J. et al., "A Novel Polymorphism of FcyRIIIa (CD16) Alters Receptor Function and Predisposes to Autoimmune Disease", The Journal of Clinical Investigation, Vol. 100, No. 5, pp. 1059-1070 (September 1997)

EXAMINER	1100

DATE CONSIDERED

3/10/04